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32-17984: Recombinant Human CD59 Protein, hFc Tag

Uniprot ID : P13987
Alternative Name : HRF20; MAC-IP; MACIF; MIRL; MIC11; MIN1; MIN2; MIN3; MSK21

Description

Molecular Characterization: CD59(Leu26-Asn102) hFc(Glu99-Ala330)
Molecular weight: The protein has a predicted molecular mass of 35.1 kDa after removal of the signal peptide. The apparent molecular mass of CD59-hFc is approximately 40-53 kDa due to glycosylation.
Description: Recombinant human CD59 protein with C-terminal human Fc tag
This gene encodes a cell surface glycoprotein that regulates complement-mediated cell lysis, and it is involved in lymphocyte signal transduction. This protein is a potent inhibitor of the complement membrane attack complex, whereby it binds complement C8 and/or C9 during the assembly of this complex, thereby inhibiting the incorporation of multiple copies of C9 into the complex, which is necessary for osmolytic pore formation. This protein also plays a role in signal transduction pathways in the activation of T cells. Mutations in this gene cause CD59 deficiency, a disease resulting in hemolytic anemia and thrombosis, and which causes cerebral infarction. Multiple alternatively spliced transcript variants, which encode the same protein, have been identified for this gene.

Product Info

Amount :	100 µg / 50 µg
Content :	Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8% trehalose is added as protectants before lyophilization.
Storage condition :	Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature.

For Research Use Only. Not for use in diagnostic/therapeutics procedures.